

## Tot Town Child Development Center Water Sampling Lead Analysis Report

## 1. INTRODUCTION

## 1.1. GENERAL

This report presents the results of our water sampling performed at the site of Tot Town Child Development Center, 8950 Greenfield, Detroit MI., on July 27th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

## 1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

## 1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Angela Jackson on July 22<sup>nd</sup>, 2016.

## 2. SITE INVESTIGATIONS

## 2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

## 2.2 LABORATORY TESTING

## **2.2.1.** General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

## 3. DISCUSSIONS AND RECOMMENDATIONS

## 3.1. DISCUSSIONS OF FINDINGS

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist

Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody



## APPENDIX 1 Laboratory Results and Chain of Custody

## National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

## **ANALYTICAL REPORTS**

SAMPLE CODE: 358704 8/10/2016

**Customer:** 

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-KC-01-P

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

### Legend:

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	<sup>1</sup> 7/27/2016 06:1	0	8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

James Abston, Operations Manager

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of 1

358704

Lead Only

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### ANALYTICAL REPORTS

SAMPLE CODE: 358705 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-KC-01-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

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This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Analy	/tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/27/2016 06:1	0	8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

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358705

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358702 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-CF-02-P

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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		Inorganic Analy	tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/27/2016 06:1	0	8/8/2016

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JP	200.8

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358702

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358703 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-CF-02-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

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Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Anal	vtes - Metals			
1000 11	00000 0000		♥ CSS-Shike Photocome Completence describes in			
1030 Lead	200.8 0.015	mg/L 0.001	ND	<sup>1</sup> 7/27/2016 06:1	0	8/8/2016

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Analyst Tests JP 200.8

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358703

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## National Testing Laboratories, Ltd

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### ANALYTICAL REPORTS

SAMPLE CODE: 358700 8/10/2016

**Customer:** 

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-WC-03-P

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

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		Inorganic Analy	∕tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/27/2016 06:1	0	8/8/2016

These test results may be used for compliance purpose as required.

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JP	200.8

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358701 8/10/2016

**Customer:** 

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Tot Town CDC, DC-01-WC-03-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	ytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/27/2016 06:1	10	8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

James Abston, Operations Manager

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## M National Testing Laboratories. Ltd.

Quality Water Analysis

1-800-458-3330

Other:

City & State:

Additional Comments:

## **General Compliance**

Order Number:

Sample Number:

2077784

358704

Order Date:

05/20/2016

Product:

Lead Only

Sample Paid: No

**Payment Method:** 

TSR. FF

Sold To:	1011. 21	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	MI 48203	Payment \$:
	1011 402.00	Check #:
		Lab Comments/Special Instructions:
Date Sampled: 7 /27	16	
_	Please Use Military Time, e.g. 3.00pm = 15:00	
Check Time Zone: DEST	CST MST PST	
Cliqut Name: Tot To	own CDC	
Phone Number: 695	50 Greenfield	
For Number: 313-9	536-8200	
PWS ID# (if applicable):	DIA	State Forms:
Sample ID or Source:	2-01-KC-01-P	Lab Sample Information:
Source Type: 🔲 <b>Spring</b> [	Well Municipal Surface	Date Received: <u>&amp; 13 116</u>
Other:		
City & State: Detroi	(If Different than Above)	Time Received: 14:00  Received By: BF
Sample Collected By	mldts	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## General Compliance

Order Number:

2077784

Order Date:

05/20/2016

358705

Sample Number:

Product:

Lead Only

Sample Paid: No

**Payment Method:** 

TSR: EF Sold To: G. S. Group For Laboratory Use ONLY Monica Starks Lab Accounting Information: 17800 Woodward Ave Detroit MI 48203 Payment \$: Check #: Lab Comments/Special Instructions: Date Sampled : 7 / 27/16 Time Sampled: 6: 10 Please Use Military Time, e.g. 3.00pm = 15.00 Check Time Zone: PEST CST MST PST Client Name: 101 8950 Greanfield 313-838-8200 **Eex** Number: State Forms: PWS ID# (if applicable): Sample ID or Source: DC-01- KC-61-1 Lab Sample Information: Source Type: Spring Well Municipal Surface Date Received: 8/3/1/6 Other: Time Received: 14 City & State: Received By: (If Different than Above) Sample receipt criteria checked & acceptable. Sample Collected B Deviations from acceptable sample receipt criteria noted on PSA form. (Signature) Sample Collected By Form Completed By:

# National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number:

2077784

Order Date:

05/20/2016

Sample Number: Product:

**Lead Only** 

Sample Paid: No

**Payment Method:** 

TSR: EF

	ISK: Er	
Sold To:		For Laboratory Use ONLY
G. S. Group Monica Starks		Lab Accounting Information:
17800 Woodward Ave		Payment \$:
Detroit	MI 48203	Check #:
		Lab Comments/Special Instructions:
Date Sampled : 7,27,16	<b>5</b>	
	Please Use Military Time, e.g 3:00pm = 15:00	
Check Time Zone: DEST C	<b>*</b> .	
Client Name: ToTT	•	
235 8950	Green field	
Number: 313-8	38-6208	:
PWS ID# (if applicable):	What is a second contract of the second contr	State Forms:
Sample ID or Source: Dc-01-CF-02-P		Lab Sample Information:
Source Type: Spring	Well Municipal Surface	Date Received: 8 13 116
Other:		Time Received: 14 : 00
City & State: Dedroit	Different than Abova)	Received By:
Sample Collected By:	(Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:	cha LEtters (Please Print)	
Form Completed By:	lichal Etters	
Additional Comments:	sompled is a dujou	re this is Sample # Z,
First draw	7	

## MA National Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## General Compliance

Order Number:

2077784

Order Date:

05/20/2016 358703

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF Sold To: For Laboratory Use ONLY G. S. Group Monica Starks Lab Accounting Information: 17800 Woodward Ave Payment \$: MI 48203 Detroit Check #: Lab Comments/Special Instructions: Date Sampled : 7 /27/16 Time Sampled: 6:10 Please Use Military Time. e.g. 3:00pm = 15:00 Check Time Zone: VEST CST MST PST Çlignt Name: Sen Number: State Forms: PWS ID# (if applicable): Sample ID or Source: DC-01-CF-02-F Lab Sample Information: Date Received: 8 / 3 //6 Source Type: Spring Well Municipal Surface Other: Time Received:\_ Received By: Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted Sample Collected By on PSA form. Sample Collected By: Form Completed By: Additional Comments

# **National Testing**Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number:

2077784

Order Date:

05/20/2016

Sample Number:

Product:

**Lead Only** 

Sample Paid: No

**Payment Method:** 

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	MI 48203	Payment \$:
		Check #:
Date Sampled : 7/27/1	<u>6</u>	Lab Comments/Special Instructions:
Time Sampled: 6:10	Please Use Military Time, e.g 3.00pm = 15.00	
Check Time Zone: EST C	BT MST PST	
Client Name: ToT	Town CDC	
Shows Number: 8950	o Greenfield	
*** Number: 313-9	538-8700	
PWS ID# (if applicable):		State Forms:
Sample ID or Source: Dc	-01-WC-03-P	Lab Sample Information:
Source Type: Spring	Well ☑ Municipal ☐ Surface	Date Received: 8/3/116
Other:		Time Received: 14:00
City & State: Detroct	Different than Above)	Received By: BF
Sample Collected By:	(Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:	1 ichal BACS (Please Print)	
Form Completed By:	lichal Etters	
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# Mational Testing Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## **General Compliance**

Order Number:

2077784

358701

Order Date: Sample Number:

05/20/2016

Product:

**Lead Only** 

Sample Paid: No

Payment Method:

TSR: EF

Sold To:	
G. S. Group	For Laboratory Use ONLY
Monica Starks	Lab Accounting Information:
17800 Woodward Ave Detroit MI 4820	Payment \$:
	Check #:
	Lab Comments/Special Instructions:
Date Sampled : 7 / 27 / 16	
Time Sampled: 6:10 Please Use Military Te	me, e.g: 3:00pm = 15:00
Check Time Zone. SEST CST MST PST	r
Client Name: Tot Town CX	
Sass Green	Field
Sem Number: 313-838-85	200
PWS ID# (if applicable): $\lambda$	State Forms:
Sample ID or Source: DC-01- Wo	2-03-F Lab Sample Information:
Source Type: Spring Well Munic	Date Received: 8 / 3 //6
Other:	Time Received: 14 : 00
City & State: Outroit Mi	Baratan CC
Sample Collected By: (Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted
Sample Collected By: Vichal Ed	ters
Form Completed By: Michal Ed	TUS
Additional Comments:	
The location Sunshel	is a durage this is Sample #3
Flush Samphe.	